

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 August 2001 (09.08.2001)

PCT

(10) International Publication Number
WO 01/57190 A2(51) International Patent Classification⁷: C12N

(21) International Application Number: PCT/US01/04098

(22) International Filing Date: 5 February 2001 (05.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

09/496,914	3 February 2000 (03.02.2000)	US
09/560,875	27 April 2000 (27.04.2000)	US
09/598,075	20 June 2000 (20.06.2000)	US
09/620,325	19 July 2000 (19.07.2000)	US
09/654,936	1 September 2000 (01.09.2000)	US
09/663,561	15 September 2000 (15.09.2000)	US
09/693,325	20 October 2000 (20.10.2000)	US
09/728,422	30 November 2000 (30.11.2000)	US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US	09/496,914 (CIP)
Filed on	3 February 2000 (03.02.2000)
US	09/560,875 (CIP)
Filed on	27 April 2000 (27.04.2000)
US	09/598,075 (CIP)
Filed on	20 June 2000 (20.06.2000)
US	09/620,325 (CIP)
Filed on	19 July 2000 (19.07.2000)
US	09/654,936 (CIP)
Filed on	1 September 2000 (01.09.2000)
US	09/663,561 (CIP)
Filed on	15 September 2000 (15.09.2000)
US	09/693,325 (CIP)
Filed on	20 October 2000 (20.10.2000)
US	09/728,422 (CIP)
Filed on	30 November 2000 (30.11.2000)

(71) Applicant (for all designated States except US): HYSEQ, INC. [US/US]; 670 Almanor Avenue, Sunnyvale, CA 94086 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TANG, Y.; Tom [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). LIU, Chenghua [CN/US]; 1125 Ranchero Way, Apt. #14, San Jose, CA 95117 (US). DRMANAC, Radoje, T. [YU/US]; 850 Greenwich Place, Palo Alto, CA 94303 (US). ASUNDI, Vinod [US/US]; 709 Foster City

Boulevard, Foster City, CA 94404 (US). ZHOU, Ping [CN/US]; 7595 Newcastle Drive, Cupertino, CA 95014 (US). XU, Chongjun [US/US]; 4918 Manitoba Drive, San Jose, CA 95130 (US). CAO, Yicheng [CN/US]; 260 N. Mathilda Avenue, #E6, Sunnyvale, CA 94086 (US). MA, Yunquing [CN/US]; 280 W. California Avenue, #206, Sunnyvale, CA 94086 (US). ZHAO, Qing, A. [CN/US]; 1556 Kooser Road, San Jose, CA 95118 (US). WANG, Dunrui [CN/US]; 932 La Palma Place, Milpitas, CA 95035 (US). WANG, Jian-Rui [CN/US]; 744 Stendahl Lane, Cupertino, CA 95014 (US). ZHANG, Jie [CN/US]; 4930 Poplar Terrace, Campbell, CA 95008 (US). REN, Feiyan [US/US]; 7703 Oak Meadow Court, Cupertino, CA 95014 (US). CHEN, Rui-hong [US/US]; 1031 Flying Fish Street, Foster City, CA 94404 (US). WANG, Zhi, Wei [CN/US]; 836 Alturas Avenue, #B6, Sunnyvale, CA 94085 (US). XUE, Aidong, J. [CN/US]; 1621 S. Mary Avenue, Sunnyvale, CA 94087 (US). YANG, Yonghong [CN/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). WEJHRMAN, Tom [US/US]; CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 (US). GOODRICH, Ryle [US/US]; 4896 Sandy Lane, San Jose, CA 95124 (US).

(74) Agent: ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/57190 A2

(54) Title: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

(57) Abstract: The present invention provides novel nucleic acids, novel polypeptide sequences encoded by these nucleic acids and uses thereof.